



## A Better Java for Big Data

Azul Zing® delivers lower latency, higher scalability and massive in-memory datasets for truly innovative Big Data solutions

### Unstoppable Java for Big Data

Big Data includes many technologies, such as Apache Hadoop™, that are used to create highly distributed, data-intensive solutions like ad targeting, web analytics, bioinformatics and real-time search. Information produced by these applications is critical to business success, driving decisions that affect revenue, profitability and customer loyalty. Successful deployments of these Big Data solutions require very low latency, high scalability and access to massive in-memory datasets.

However, many Big Data applications and technology components are written in Java. Java has inherent limitations that can prevent enterprises from optimizing performance and utilizing large in-memory datasets. Companies attempt to work around these latency, scalability

and memory size issues by using separate caching systems or analyzing a subset of available data. However, this affects the quality and timeliness of business decisions and even reduces revenue.

Azul Systems Zing is essential technology for Big Data. Designed for applications that are critical to business results, Zing is the only Java performance solution that has been proven to lower average latency up to 70% without coding changes. Zing makes larger in-memory indexes practical while reducing or eliminating the need for extra caching or data grid applications. Plus, for Big Data-driven applications where revenue is directly dependent on response times, Zing can increase success rates (3–4X for one recent customer) and total end-user engagements.



### BENEFITS OF AZUL ZING FOR BIG DATA APPLICATIONS

- Lower latency for faster processing of massive datasets
- Run reports using more live data with faster results
- Hold massive datasets in-memory and reduce or eliminate the need for extra caching or data grid applications
- Increase scalability and support larger Hadoop clusters
- Optimize performance and deliver high sustained throughput
- Support multiple users running simultaneous queries



## Azul Zing delivers Unstoppable Java for Big Data applications

Zing lowers latency and increases scalability of Big Data applications to support better decision making and improved business results.

### Data Sets Don't Shrink

Data sets for analytics are growing, with constant pressure to analyze more information faster and add the latest data to reports as it is gathered. Only Azul Zing allows Java-based applications to meet these needs while still providing consistently fast response times.

Zing provides both very low latency and high scalability for real-time analytics and self-service business intelligence. Your Big Data-based applications will be able to provide fully interactive access for more simultaneous users with an instantaneous feel. Users will be able to cut the data different ways, run queries with immediate response and make better, more timely decisions based on the latest data.

Zing is standards-based, requires no changes to your existing applications and runs on your existing servers. Developers are freed from managing performance issues and can focus on adding new reports and features. Plus, Zing provides lots of headroom for rapid growth while maintaining top performance levels.

### Use Azul Zing to Increase the Business Value of Big Data Applications

Big Data applications need Unstoppable Java – the ability to handle ever growing datasets and self-service business intelligence while delivering consistently fast response times. Best of all, Zing provides these benefits out of the box without application changes, unusual programming techniques or extensive tuning. Learn how Azul can deliver blazing performance for your most demanding Big Data projects, and also learn why leading Big Data companies are embedding Azul Systems Java technology in their products.

### Selected Azul Big Data Partners



Contact an Azul Unstoppable Java specialist today:

#### Azul Systems

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